

Application No.: 10/762722
Docket No.: FA0790USDIV

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Listing of Claims

1-13 (Canceled).

14. (Currently amended) A device for producing stabilized organic pigment particles comprising:

a reactor assembly comprising,
a chamber positioned substantially horizontally on a supporting block,
a reactor positioned coaxially inside the chamber [[and]];
~~dielectric barrier discharge means for generating oxygen plasma inside the~~

reactor;

means for introducing in said reactor aqueous vapor entrained in a carrier gas;

and

an agitator assembly for deagglomerating said pigment particles placed in said reactor.

15. (Previously presented) The device of claim 14 further comprising means for supplying ozone to said reactor.

16. (Previously presented) The device of claim 14 or 15 wherein said agitator assembly comprises:

a plurality of vanes mounted on a flange rotatably positioned in said reactor, each said vane having a coil affixed thereto such that said coils physically contact an inner wall of said reactor.

17. (Previously presented) The device of claim 14 or 15 wherein said means for introducing in said reactor aqueous vapor entrained in a carrier gas comprise a lance having an opening positioned distally from an exhaust end of said reactor to increase dwell time of aqueous vapor inside said reactor.

18. (Previously presented) The device of claim 14 or 15 wherein said chamber is sealed.